Suppose that W is a vector space with dimention 5, and U and V are supspaces of W, each of dimention 3. prove that $U \cap V$ conteins a non zero vector. state a more general result.

Suponga que W es un vector espacio de dimension 5, y U y V son subespacios de W, cada uno con dimension 3. provar que $U \cap V$ no contiene a un vector 0. diga el resultado mas general.